#7 1638

PTO/SB/21 (08-00)
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Under the Reperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number 09/988,462 **Application Number** RANSMITTAL 11/20/2001 Filing Date Koziel, Michael **FORM** First Named Inventor e used for all correspondence after initial filing) **Group Art Unit** TBA MIFINAIT **Examiner Name** Attorney Docket Number S-18805I Total Number of Pages in This Submission 6 (check all that apply) **ENCLOSURES** After Allowance Communication Assignment Papers to Group Fee Transmittal Form (for an Application) Appeal Communication to Board Drawing(s) of Appeals and Interferences Fee Attached Appeal Communication to Group Licensing-related Papers Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition Proprietary Information After Final Petition to Convert to a Provisional Application Affidavits/declaration(s) Status Letter Power of Attorney, Revocation Other Enclosure(s) (please Change of Correspondence Address identify below): Extension of Time Request Terminal Disclaimer **Express Abandonment Request** Request for Refund Information Disclosure Statement CD, Number of CD(s) _ Certified Copy of Priority Remarks Document(s) Response to Missing Parts/ 8 references Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT J. Timothy Meigs, Attorney for Applicant, Reg. No. 38,241 Firm Individual name Signature 002 Date CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: February 12, 2002 Susan D. Holder Typed or printed name tebruary 12, 2002 Signature Date Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Art Unit: 1638

KOZIEL ET AL.

Examiner: TBA

APPLICATION NO: 09/988,462

FILED: November 20, 2001

FOR OVALTUETIO DATA OFFICIAL

FOR: SYNTHETIC DNA SEQUENCE HAVING ENHANCED

INSECTICIDAL ACTIVITY IN MAIZE

Assistant Commissioner for Patents Washington, D.C. 20231



INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR §1.56, Applicants wish to call the Examiner's attention to the references cited on the attached Form PTO-1449.

In accordance with 37 CFR §1.97(b)(3), no fee is believed to be required for consideration of this statement because it is being submitted before the mailing date of a first Office Action on the merits. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

Some of the listed references are of record in parent application 09/547,422, filed April 11, 2000, and copies are available therein. However, applicants are willing to send copies of any or all of these references at the Examiner's request.

Also, copies of the other cited references are enclosed herewith. The submission of these references is made solely for the purpose of complying with Applicant's duty of disclosure, and is not intended as a surrender of patentable subject matter nor is it intended to create prosecution history estoppel.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

J. Timothy Meigs

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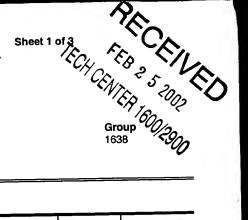
Date: Feb. 12, 2002

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

FEB 1 9 2002

ATTY. DOCKET NO. S-18805I APPLICATION NO. 09/988,462 APPLICANT KOZIEL ET AL. FILING DATE November 20, 2001



U.S. PATENT DOCUMENTS

EXAMINER			DATE	NAME	CLASS	SUBCLASS	FILING DATE
INITIAL		DOCUMENT NUMBER			800	205	9/25/92
	AA	5,625,136	4/29/97	Koziel et al.			
	AB	6,121,014	9/19/00	Koziel et al.	435	69.1	6/2/95
	AC	6,051,760	4/18/00	Koziel et al.	800	302	6/2/95
	AD	6,075,185	6/13/00	Koziel et al.	800	302	6/2/95
	AE	5,350,689	9/27/94	Shillito et al.	435	240.47	3/1/93
	AF	5,380,831	1/10/95	Adang et al.	536	32.71	5/3/93
	AG	5,436,391	1/25/95	Fujimoto et al.	800	205	11/27/92
	AH	6,320,100	11/20/01	Koziel et al.	800	279	4/11/00
	Al	6,331,665	12/18/01	Lundquist et al.	800	302	3/20/96
•	AJ	App. No. 08/438,666	Pending	Koziel et al.			5/10/95

FOREIGN PATENT DOCUMENTS

1	DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRAN: YES	SLATION NO
 AK	0 290395	11/1/88	EP				
 AL	0 431829	6/1/89	EP				
 AM	0 348348	12/1/89	EP				
 AN	0 353908	2/1/90	EP				
 AO	0 359472	3/1/90	EP				
 AP	0 374753	6/1/90	EP				
 AQ	0 385962	9/1/90	EP				
 AR	0 408403	1/1/91	EP				
 AS	0 431829	6/1/91	EP				
 AT	WO/9010076	9/1/90	WIPO				
 AU	WO/9110725	7/1/91	WIPO				
 AV	WO/9110723	10/1/91	WIPO				

EXAMINER

DATE CONSIDERED

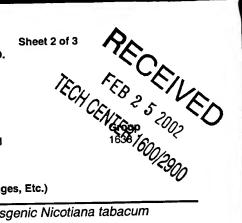
^{*}EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

The several sheets if necessary)

ATTY. DOCKET NO. S-18805I APPLICATION NO. 09/988,462 APPLICANT KOZIEL ET AL. FILING DATE November 20, 2001



		ng Author, Title, Date, Pertinent pages, Etc.)		
AW	provides resistance to lepidopteran inse Plant Physiology, Vol. 85 (1987) pp. 110	03-1109		
AX	genes are highly toxic to striped stem by Proceedings of the National Academy of	of Sciences, Vol. 95 (March 1998) pp. 2767-2772		
AY	as a Cause of Poor Expression in Plant Plant Physiology Vol. 117 (1998) pp. 14	445-1461		
AZ	dioica L. produced from a synthetic gen Federation of European Biochemical So	ocieties Letters, Vol. 437 (1998) pp. 241-245		
ВА	Fischoff et al., Insect Tolerant Transgel Bio/Technology Vol. 5 (1987) pp. 807-8	nic Tomato Plants 13.		
ВВ	Bacillus thuringiensis: Nucleotide seque	in the genes coding for entomopathogenic crystal proteins of ence of the kurhd1 gene of subsp. kurstaki HD1		
ВС	Harper et al., Calcium and lipid regulati Biochemistry, Vol. 32, no. 13 (1993) pp	on of an Arabidopsis protein kinase expressed in E. coli . 3282-3290		
BD	merA gene	atilization by tobacco organs expressing a modified bacterial		
BE	Huang, J. et al. Expression and Purifica Cells Biotechnology Progress, Vol. 17 (2001	ation of Functional Human α-1-Antitrypsin from Cultured Plant) pp. 126-133		
BF	activity Plant Molecular Biology, Vol. 24 (1994)	lement is essential for the nopaline synthase (nos) promoter) pp. 105-117		
BG	∤ insect damage	olants expressing synthetic cry9Aa gene are protected against		
ВН	Mason, H. S. et al., Edible vaccine pro potatoes expressing a synthetic LT-B y Vaccine, Vol. 16, no. 13 (1998) pp. 13	tects mice against Escherichia coli heat-labile enterotoxin (LT). gene 36-1343		
ВІ				
ВЈ	Murray et al., Analysis of unstable RN. thuringiensis in transgenic plant and e Plant Molecular Biology, Vol. 16 (1991	A transcripts of insecticidal crystal protein genes of Bacillus lectroporated protoplasts) pp. 1035-1050		
EXAMINER		DATE CONSIDERED		

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Up several sheets if necessary)

ATTY. DOCKET NO. S-18805I APPLICATION NO. 09/988,462 APPLICANT KOZIEL ET AL. FILING DATE November 20, 2001 Group
1638

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A MADEN	ARKOT	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)
	вк	Ohta et al. High-level expression of a sweet potato sporamin gene promoter: beta-glucuronidase (GUS) fusion gene in the stems of transgenic tobacco plants is conferred by multiple cell type-specific regulatory elements
1		Latelegular and General Genetics, Vol. 225, no. 3 (1991) pp. 369-378.
		Perlack et al. Modification of the Coding Sequence Enhances Plant Expression of Insect Control
J	BL	Proceedings of the National Academy of Sciences, Vol. 88 (1991) pp. 3324-3328
		Vaeck M. et al. Transgenic plants protected from insect attack
•	ВМ	Nature, Vol. 328 (6125) (1987) pp. 33-37
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EXAMI	INFR	DATE CONSIDERED

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.